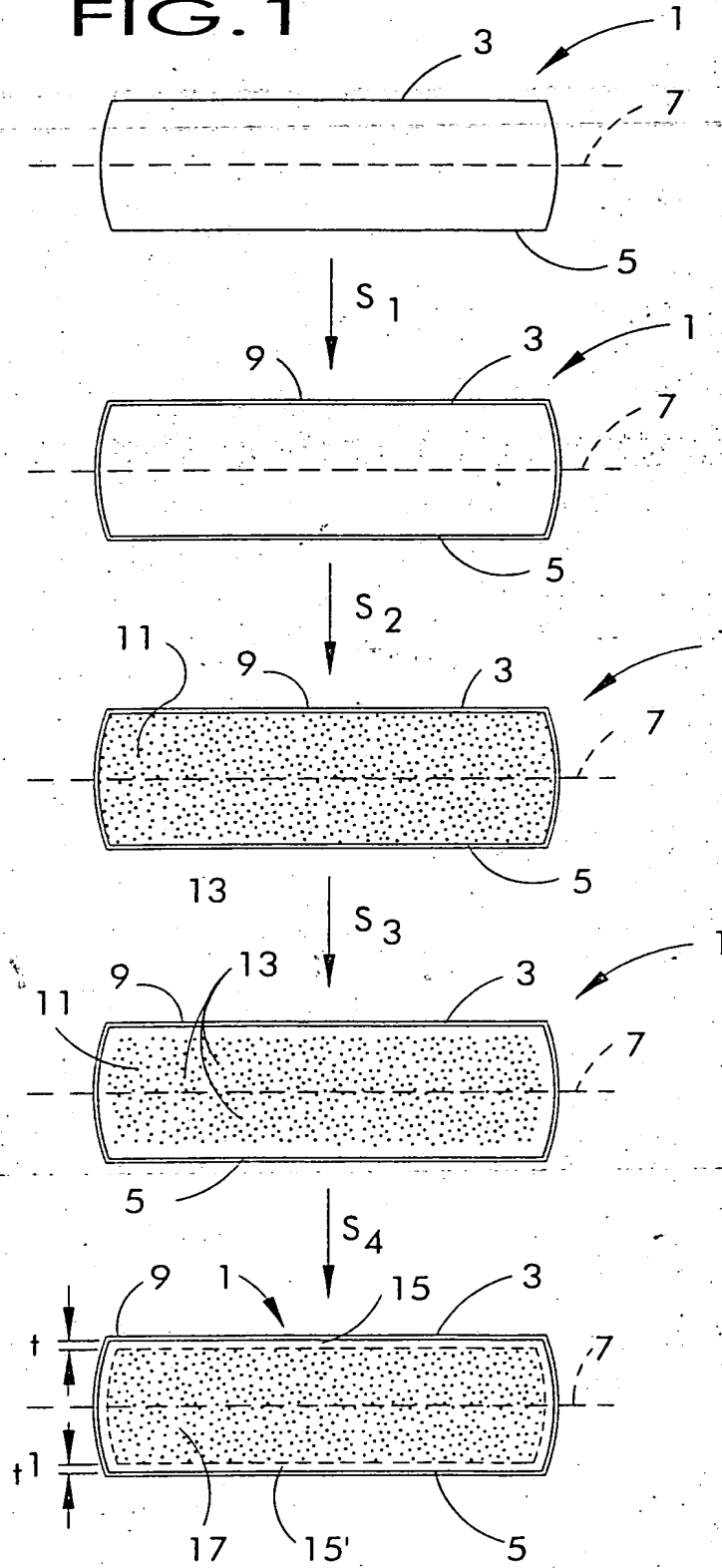
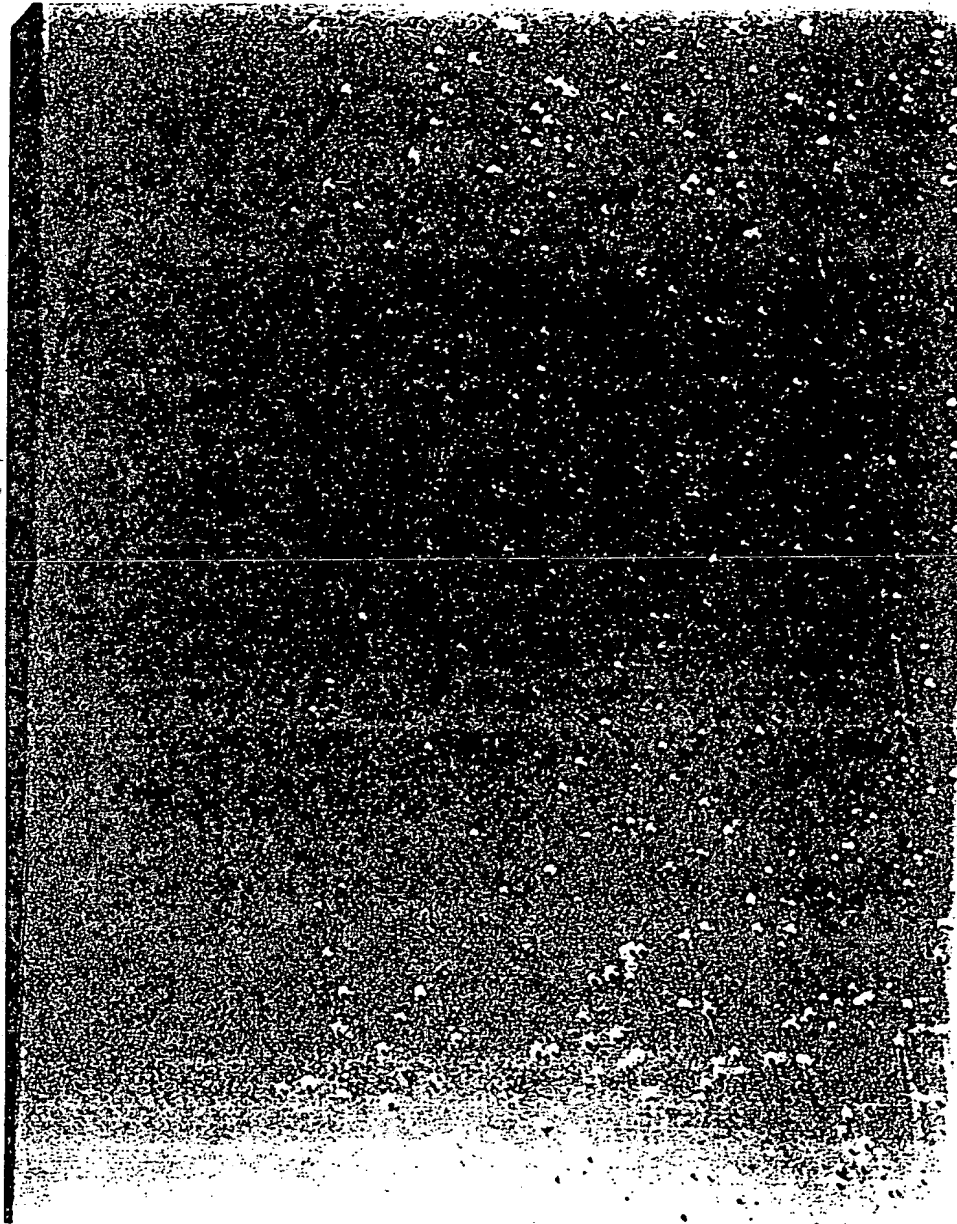


FIG. 1



205010"4803E001

FIG. 2



20E0T0-4803E00T

FIG. 3

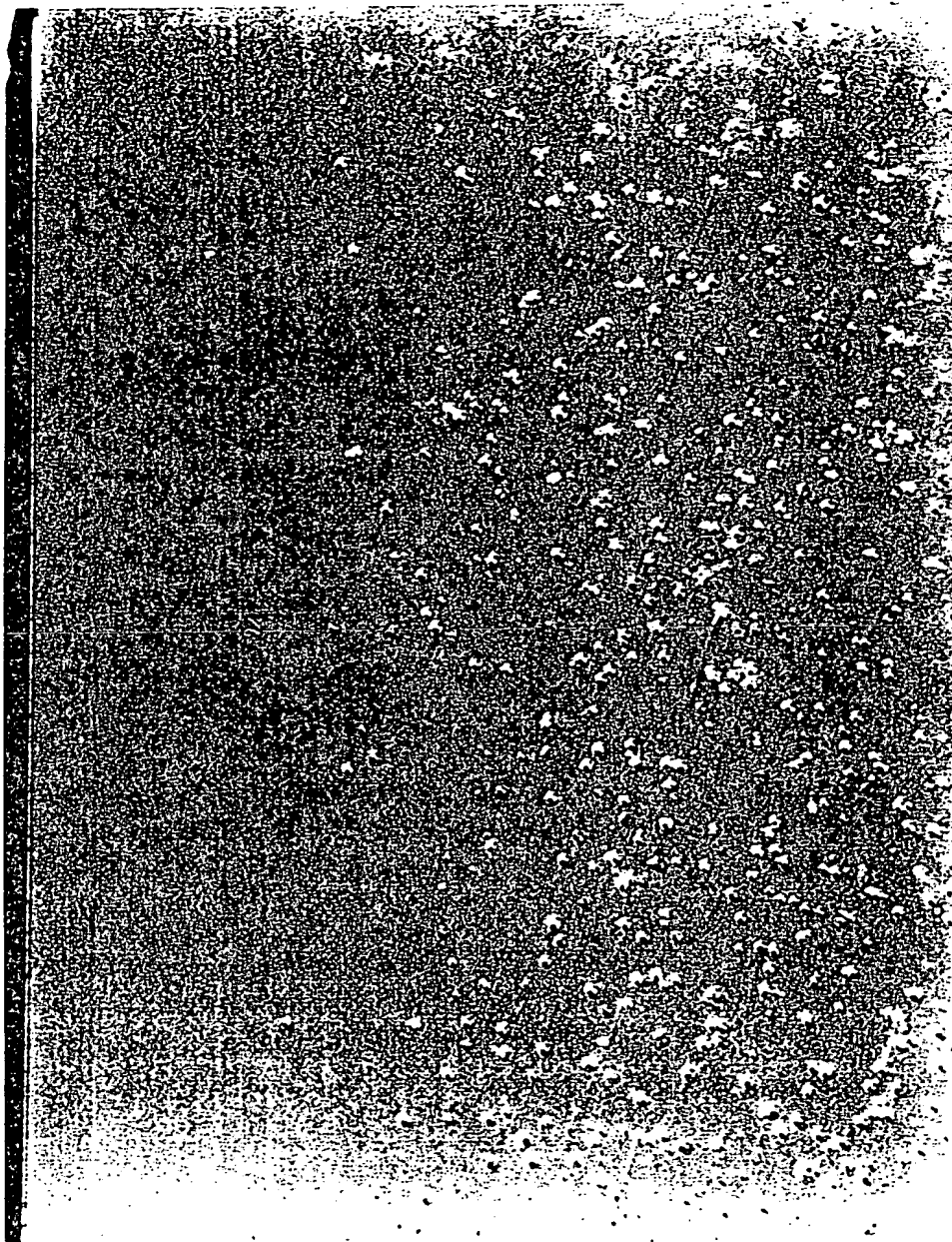
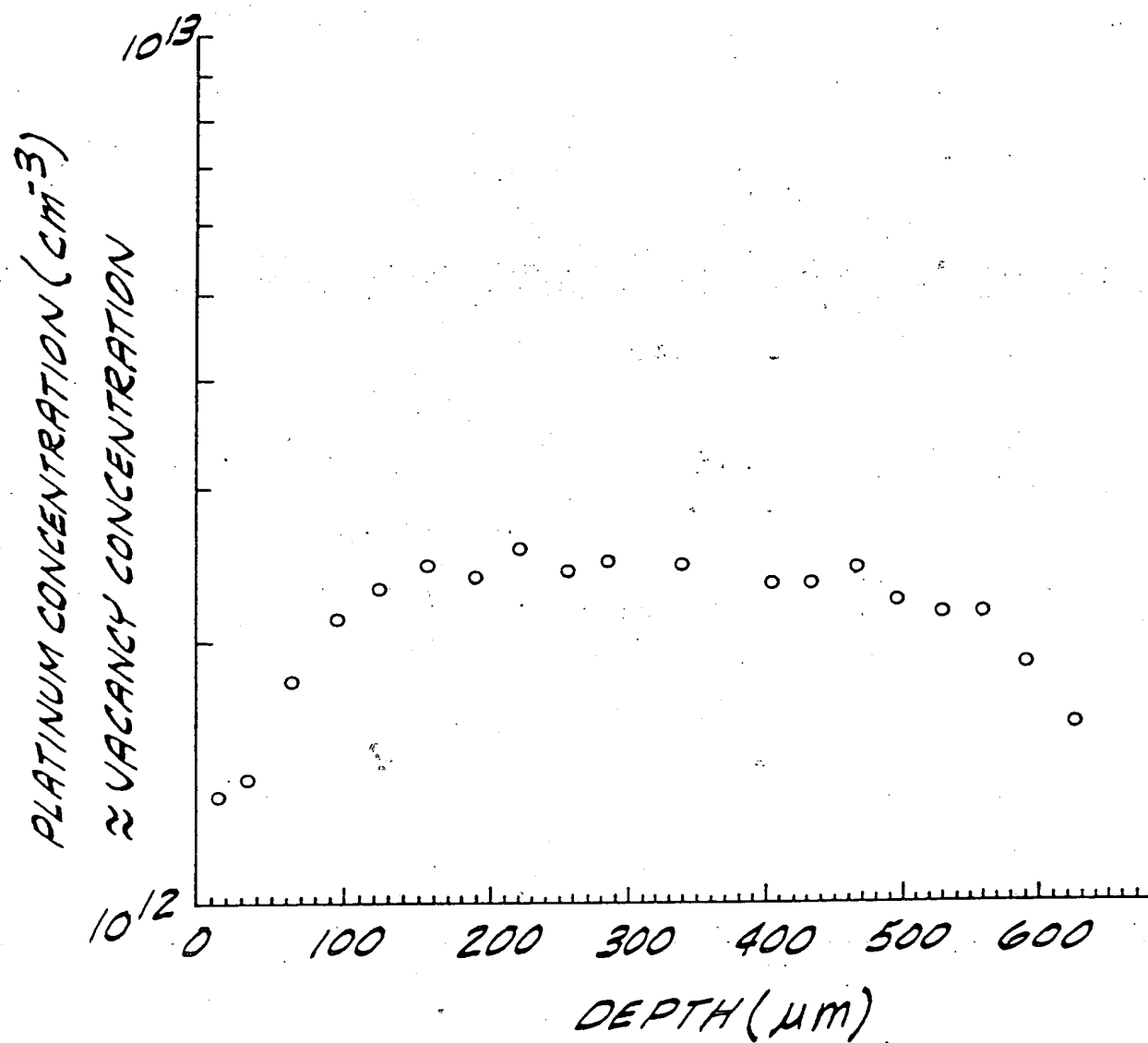


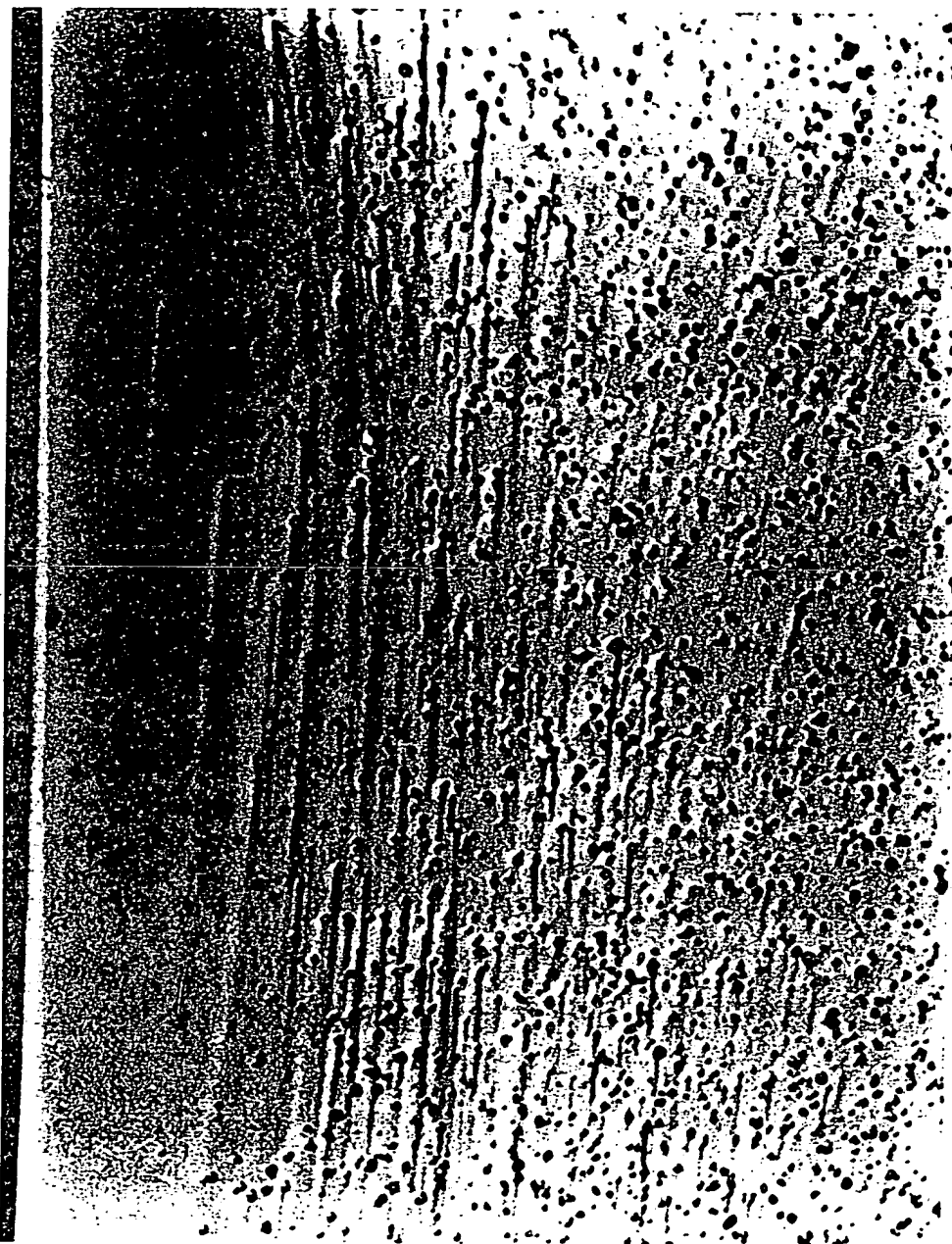
FIG. 5



7/35

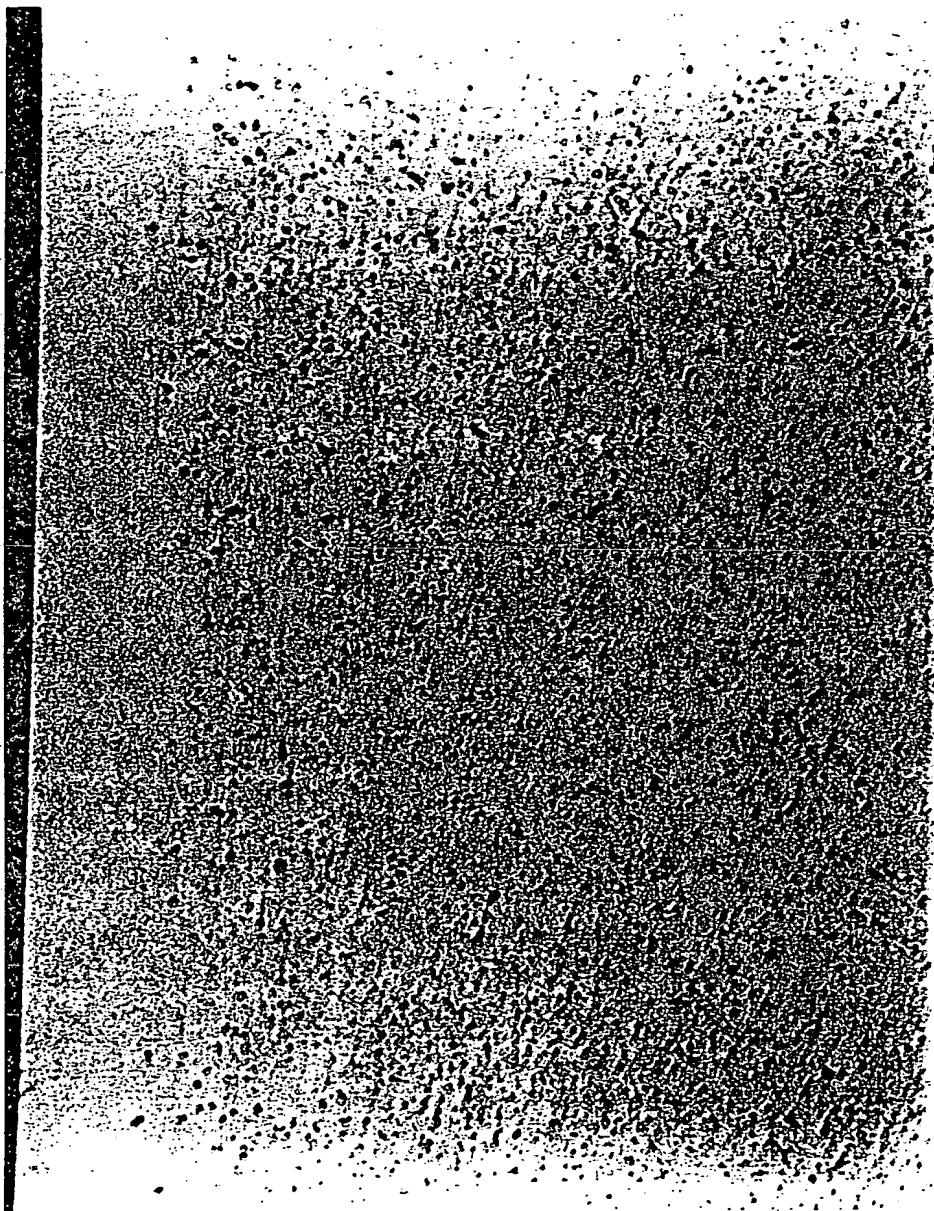
202004080000T

FIG. 7



208070" 48088001

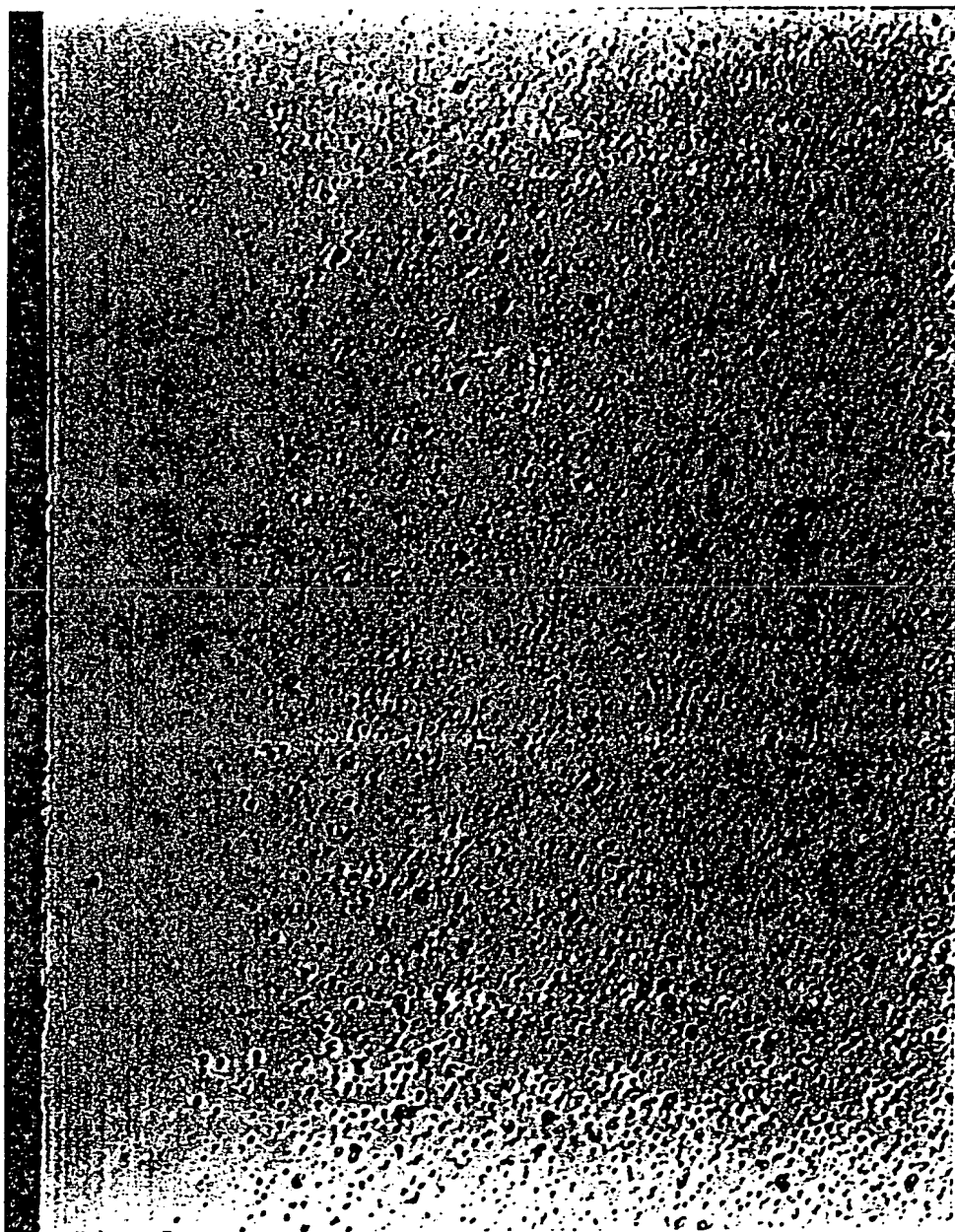
FIG. 8



9/35

20038084.010300

FIG. 9



10/35

FIG. 10

BMD DENSITY VS. OXYGEN PARTIAL PRESSURE

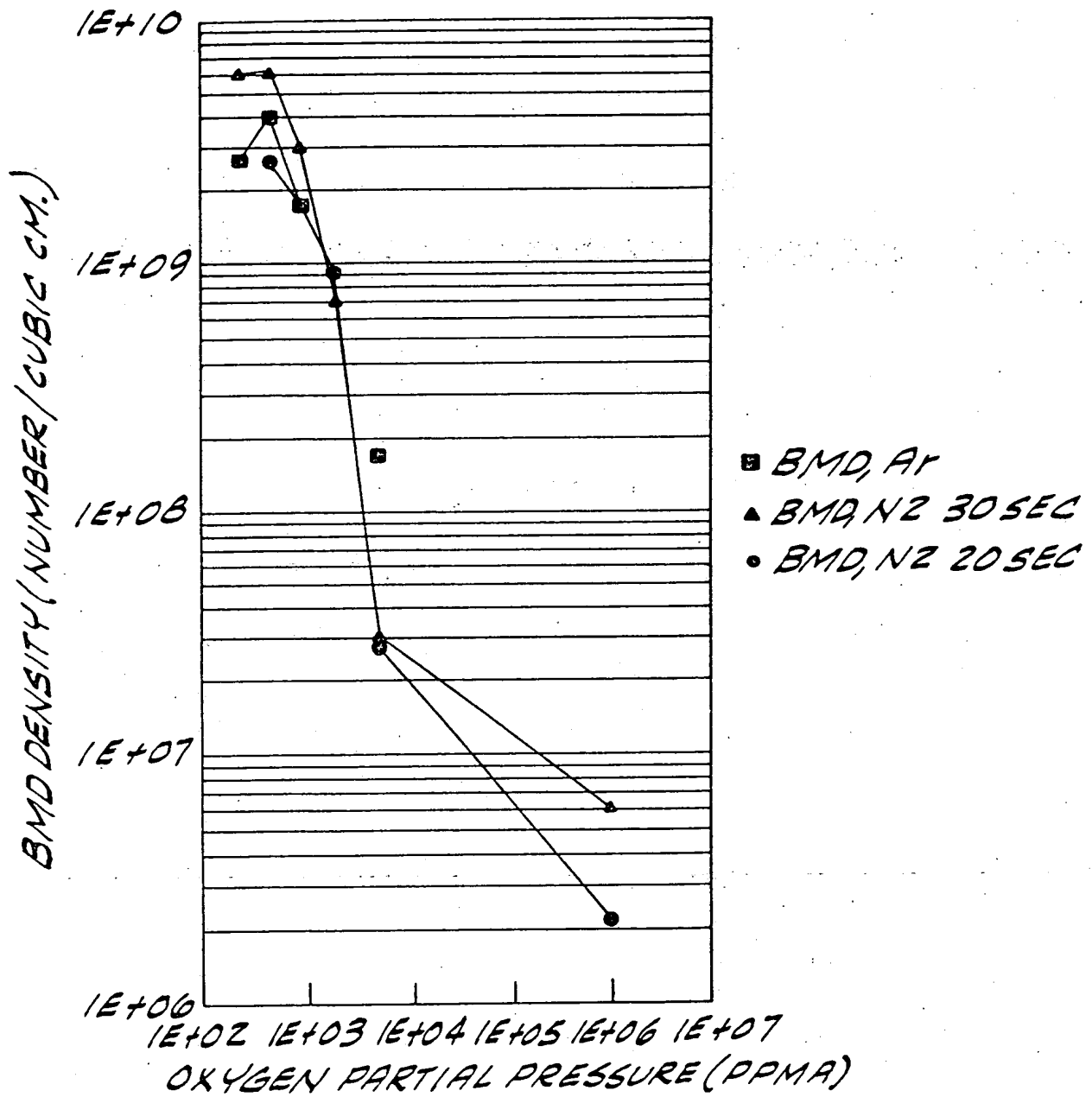


FIG.11

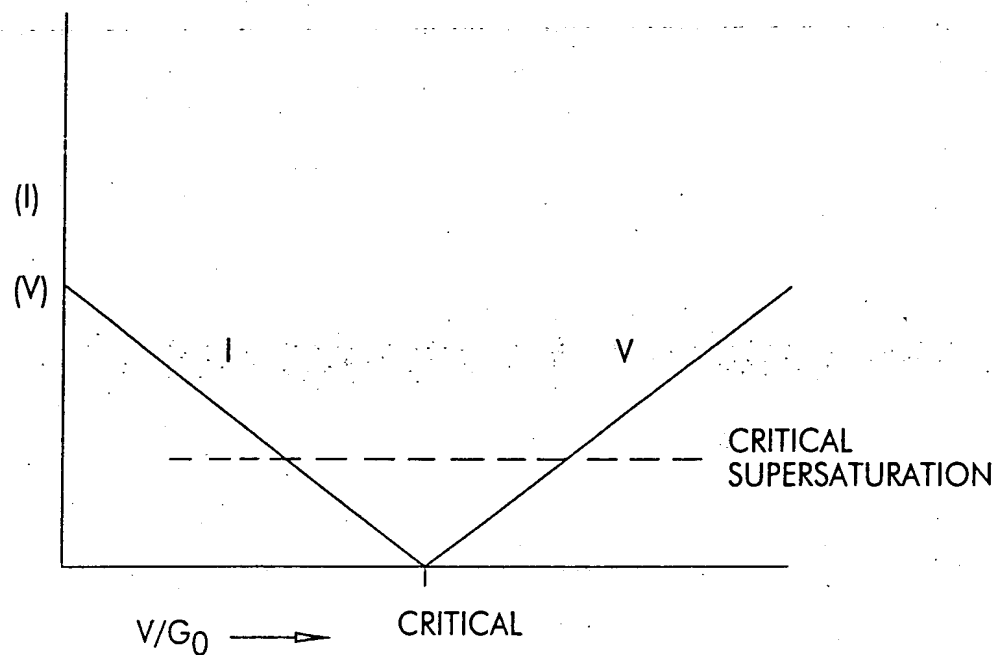


FIG.12

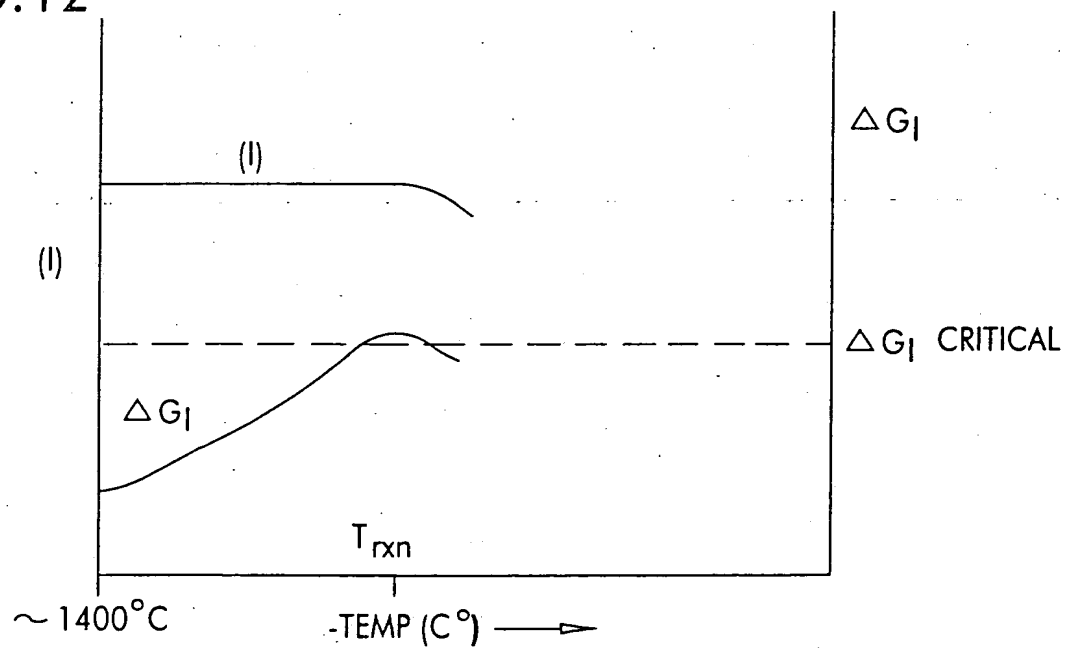


FIG.13

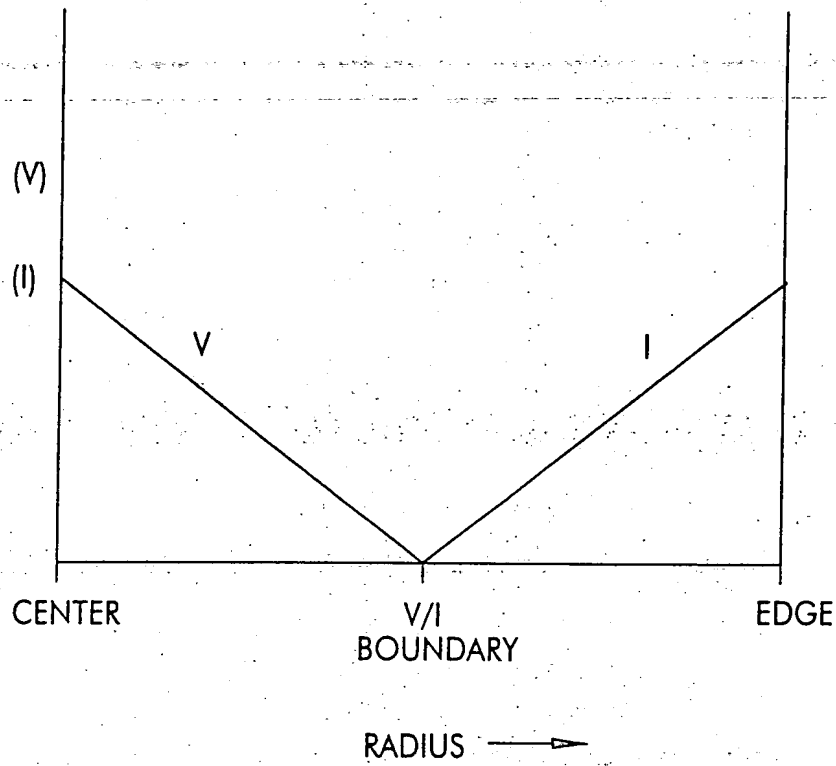


FIG.14

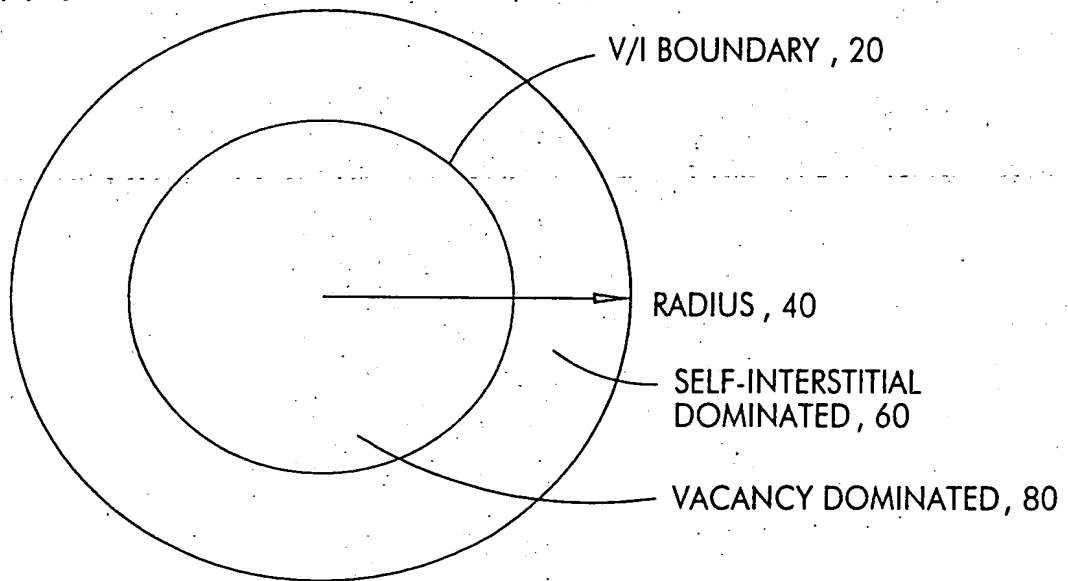
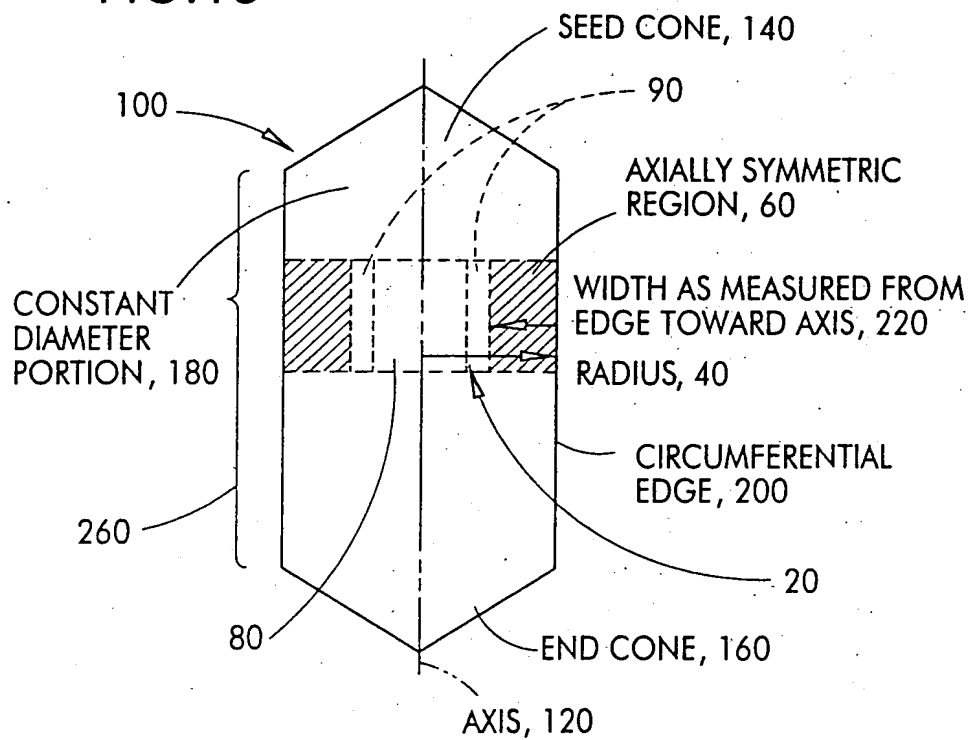


FIG.15



202010148088E001

FIG. 16

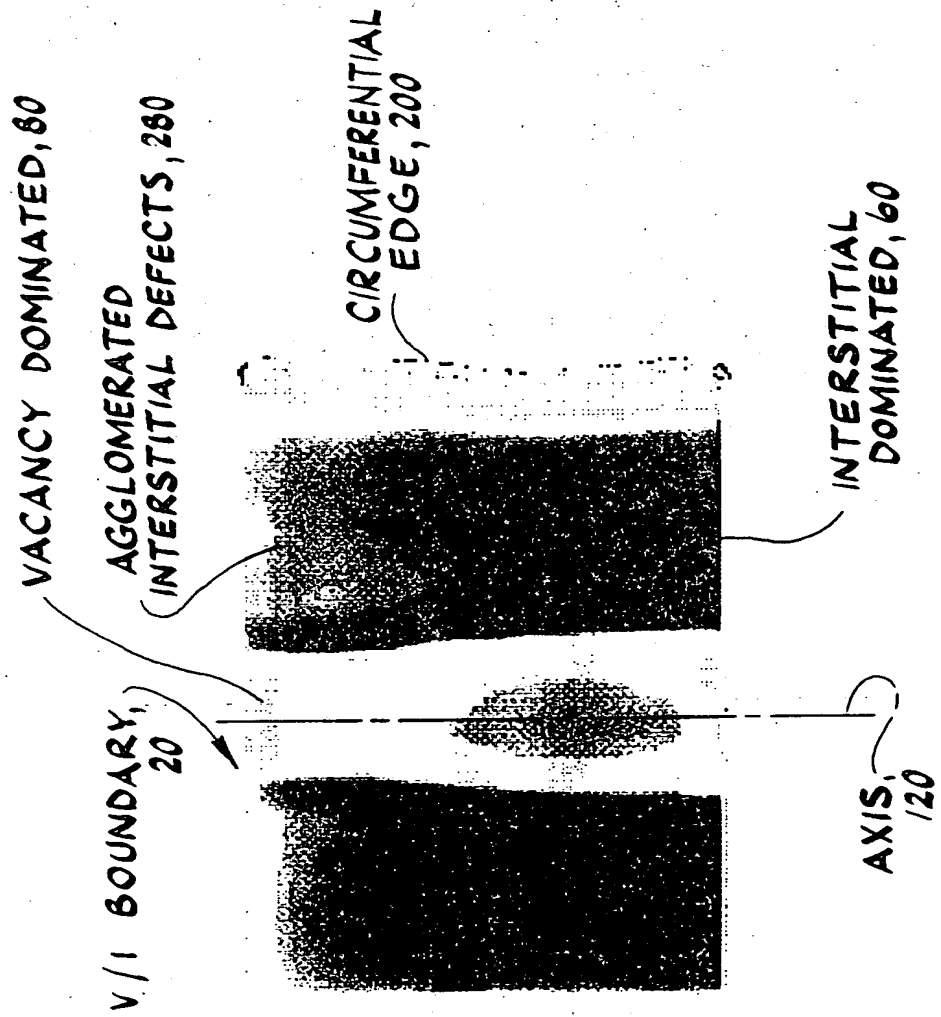


FIG. 17

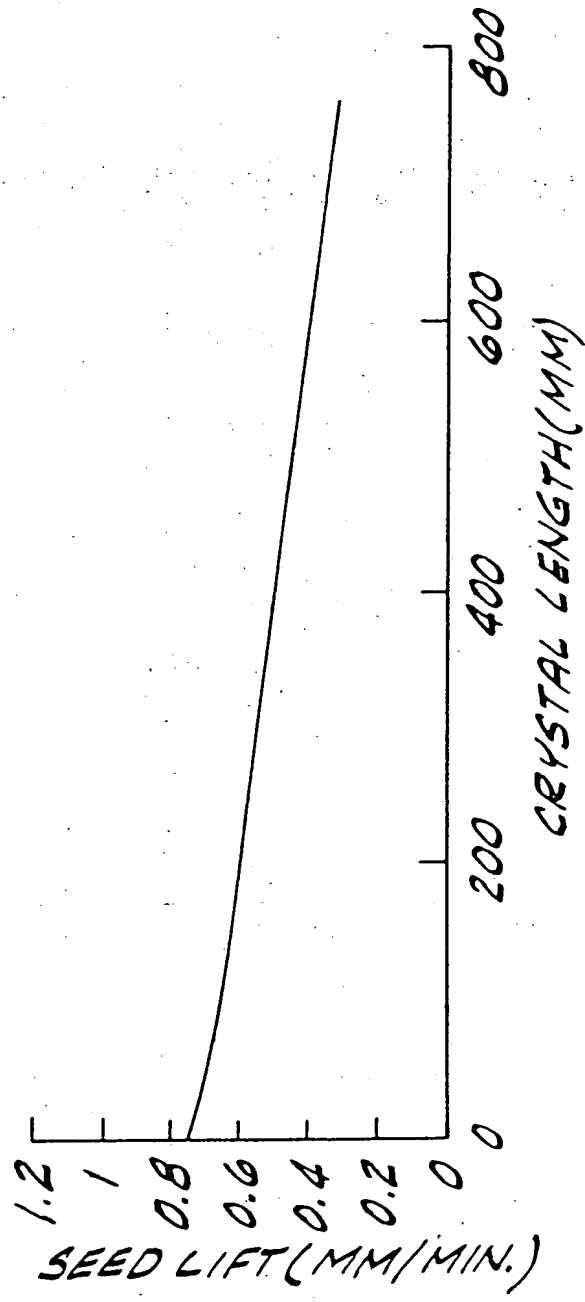


FIG. 18

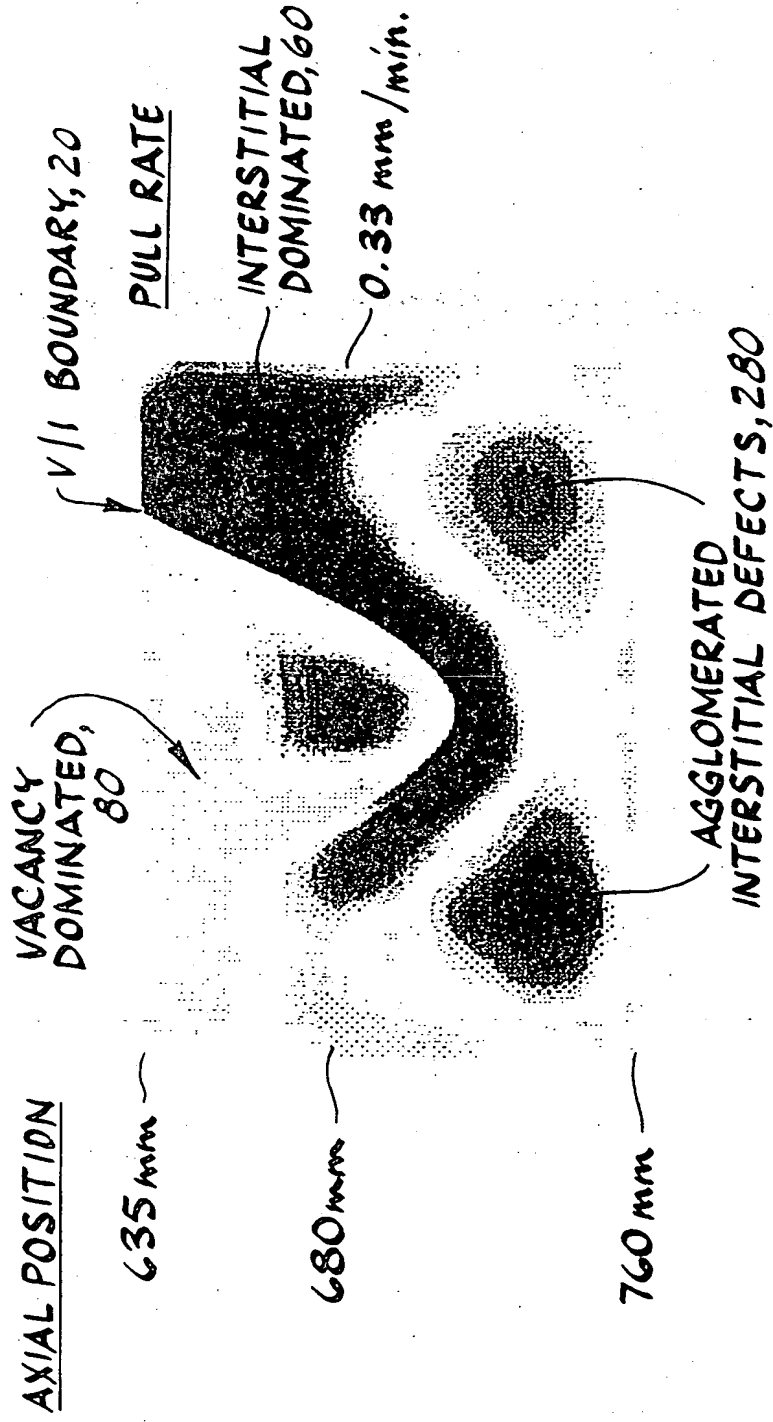


FIG. 19

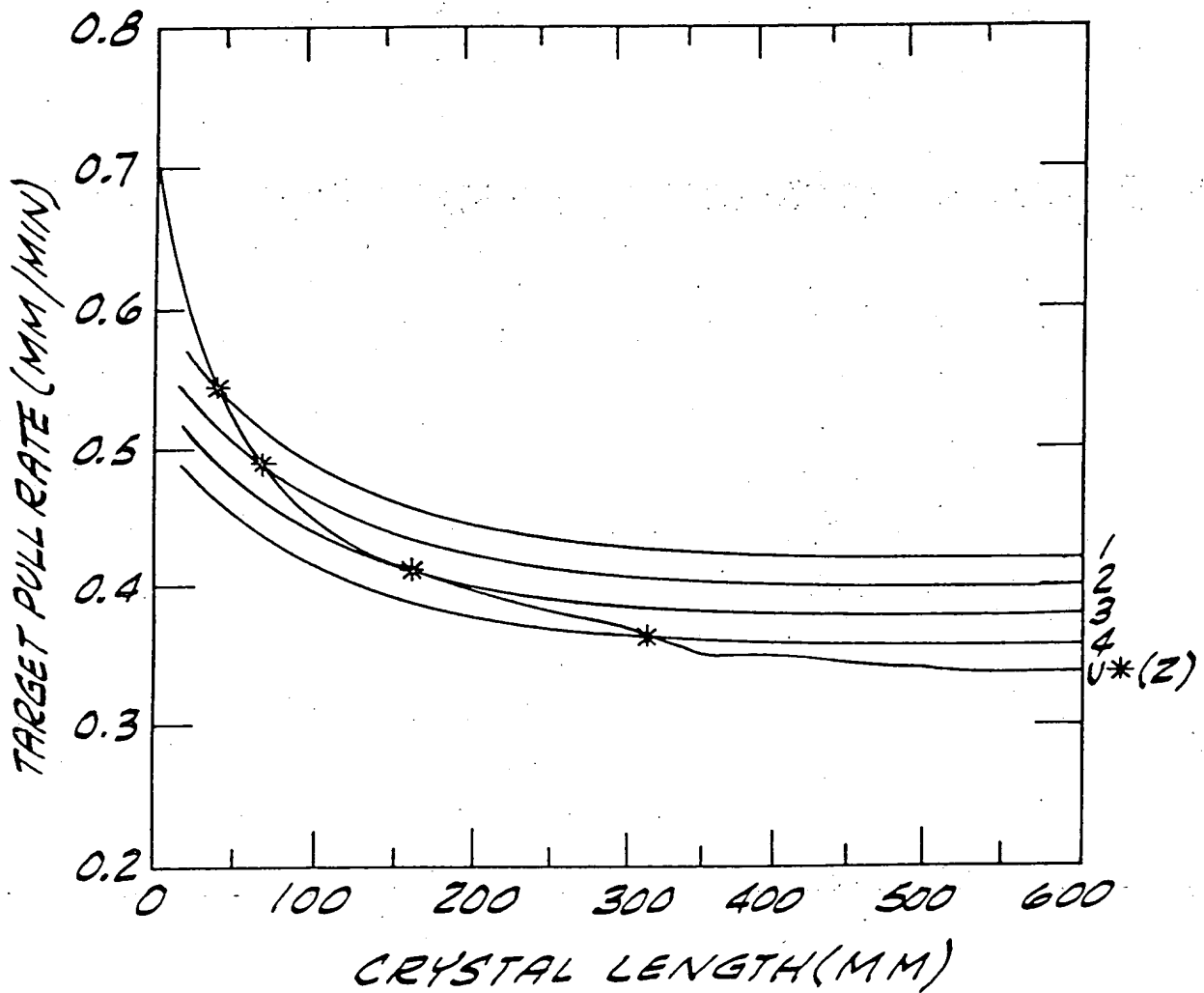


FIG. 20

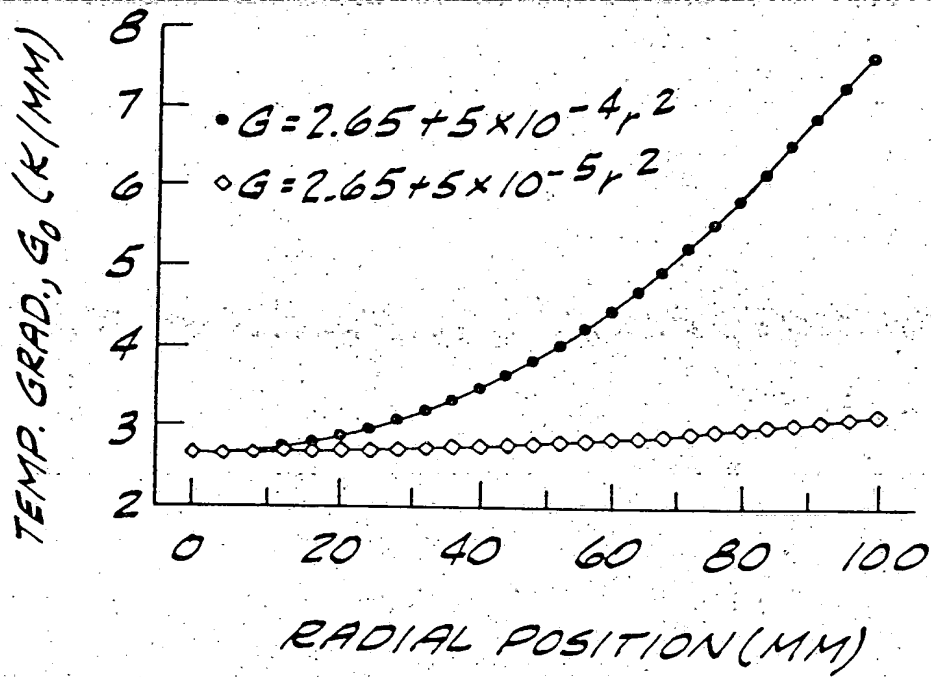
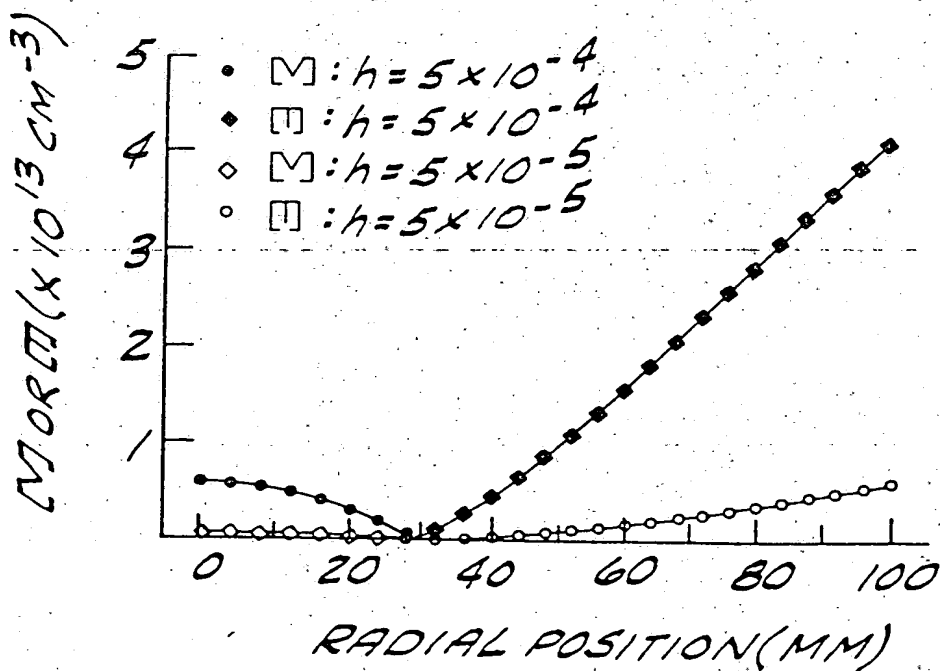


FIG. 21



19/35

FIG. 22

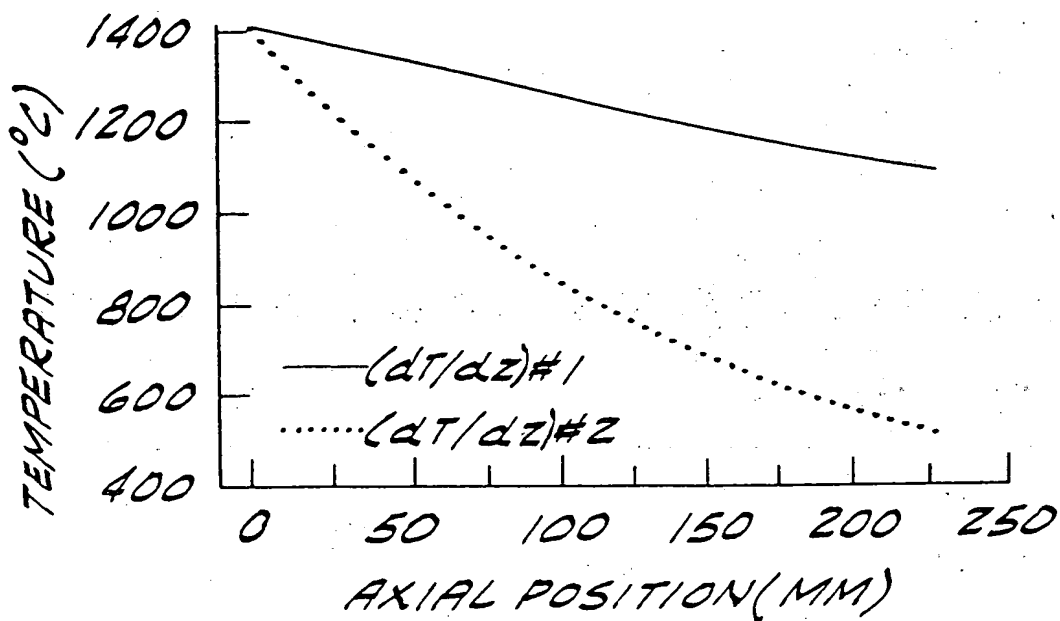


FIG. 23

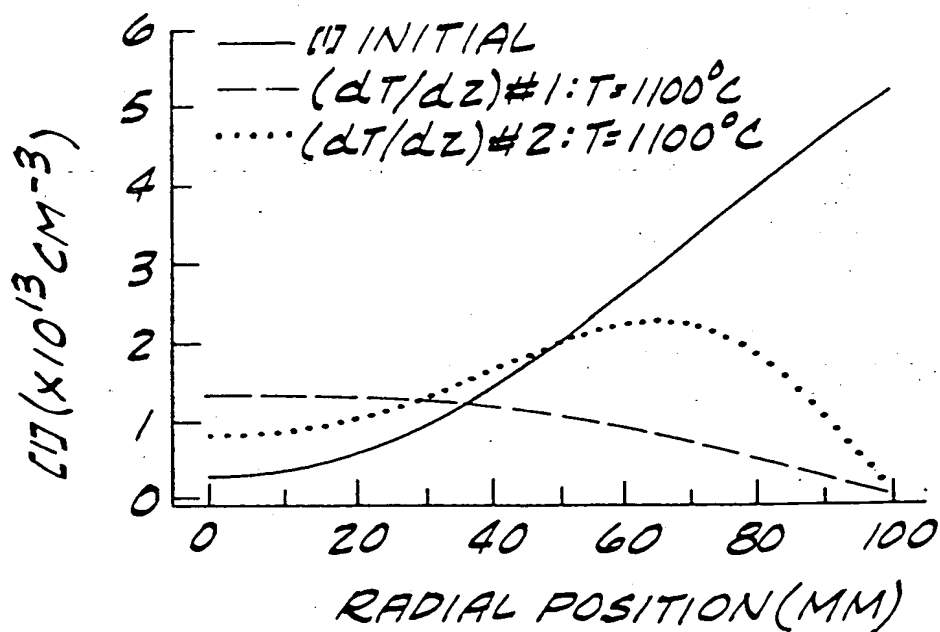


FIG.24

SEED LIFT (mm/min.)

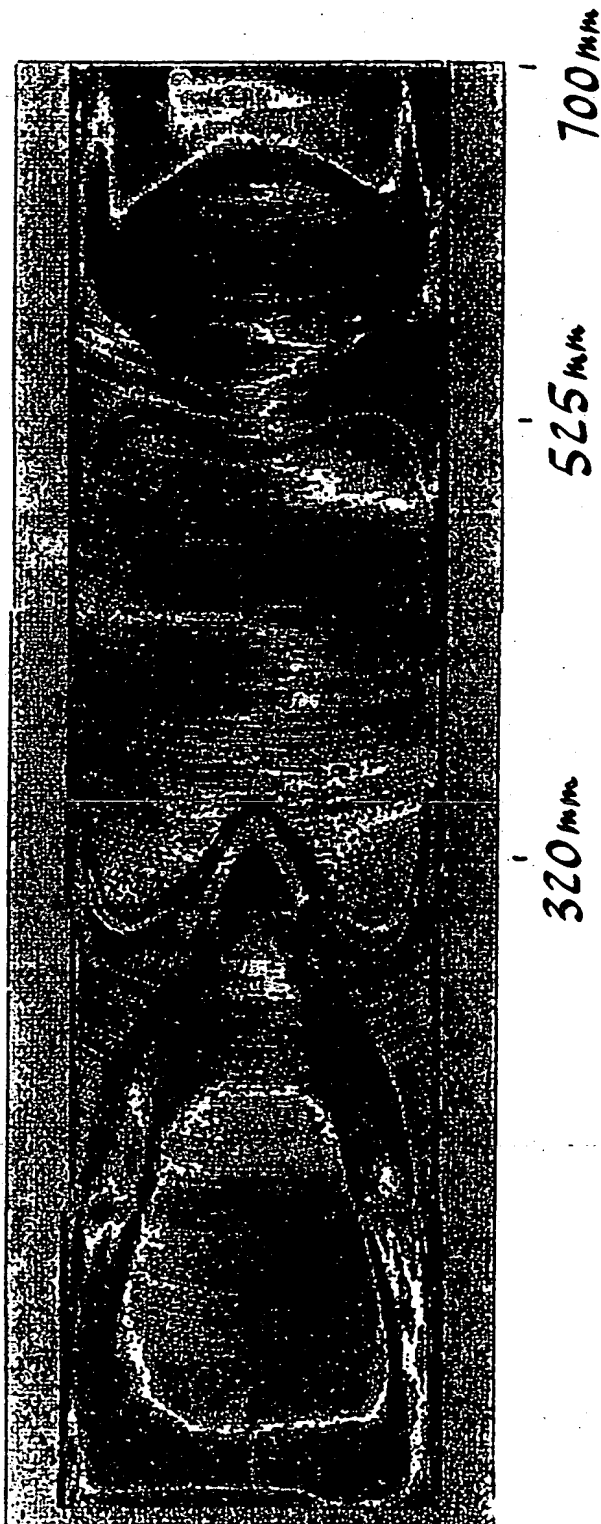
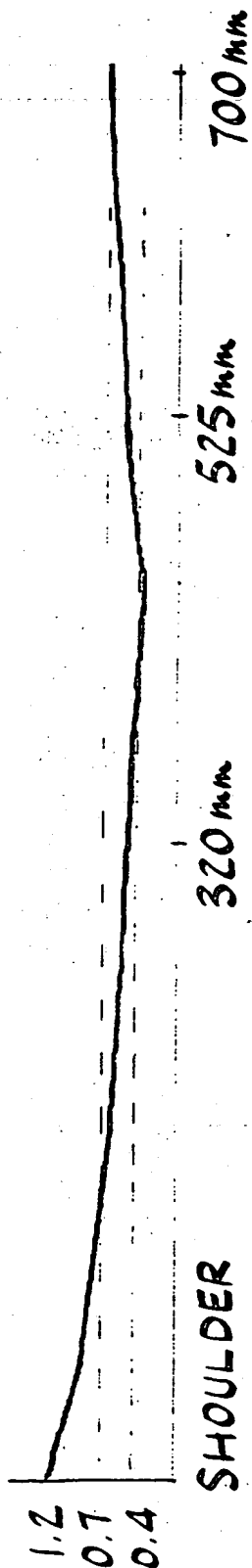
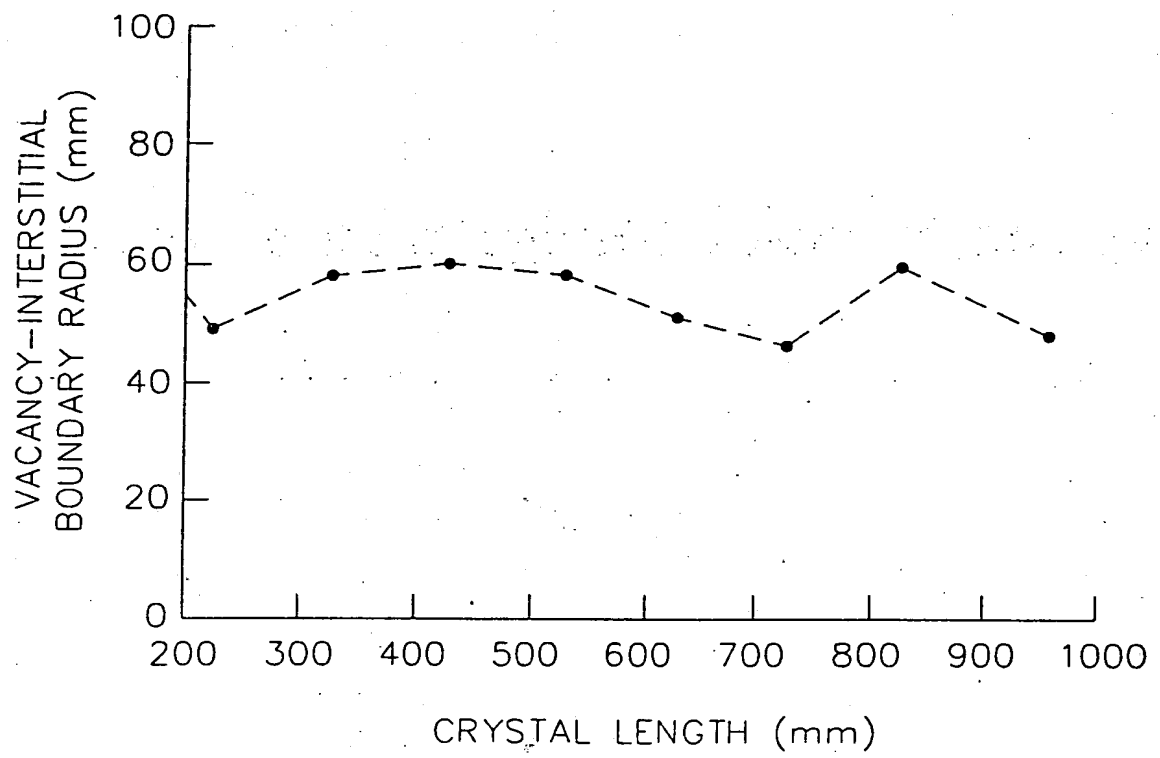
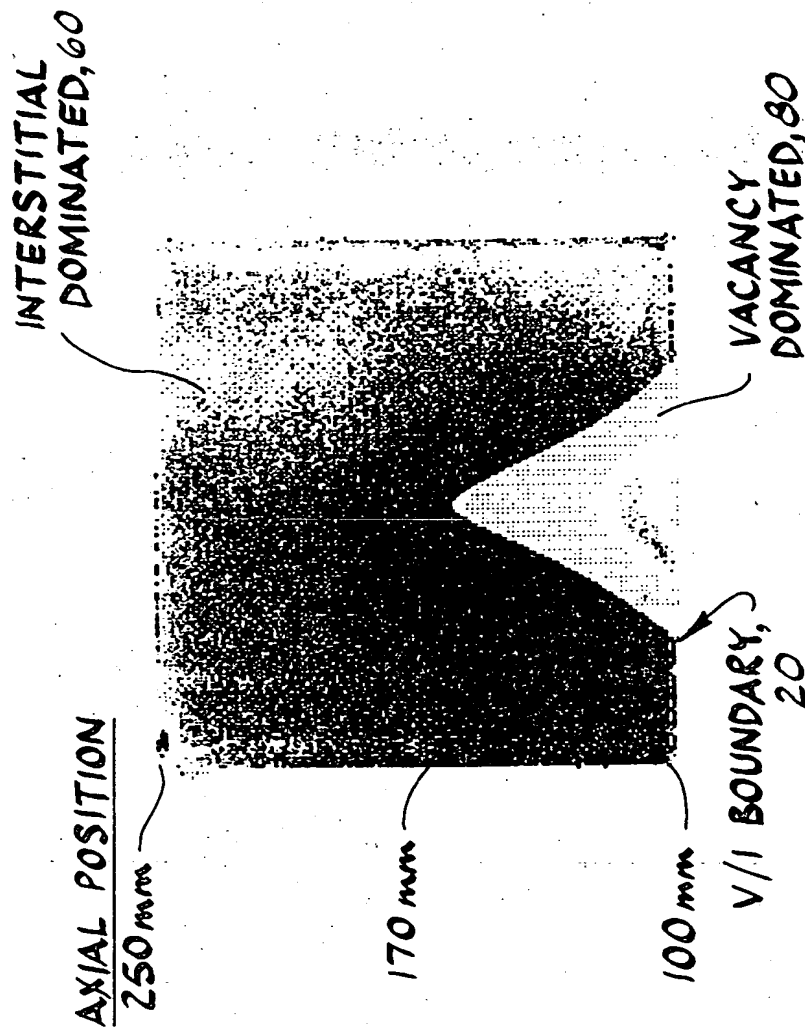


FIG. 25



20250707 14:00:00

FIG. 26A



202510-4808E001

FIG. 26B

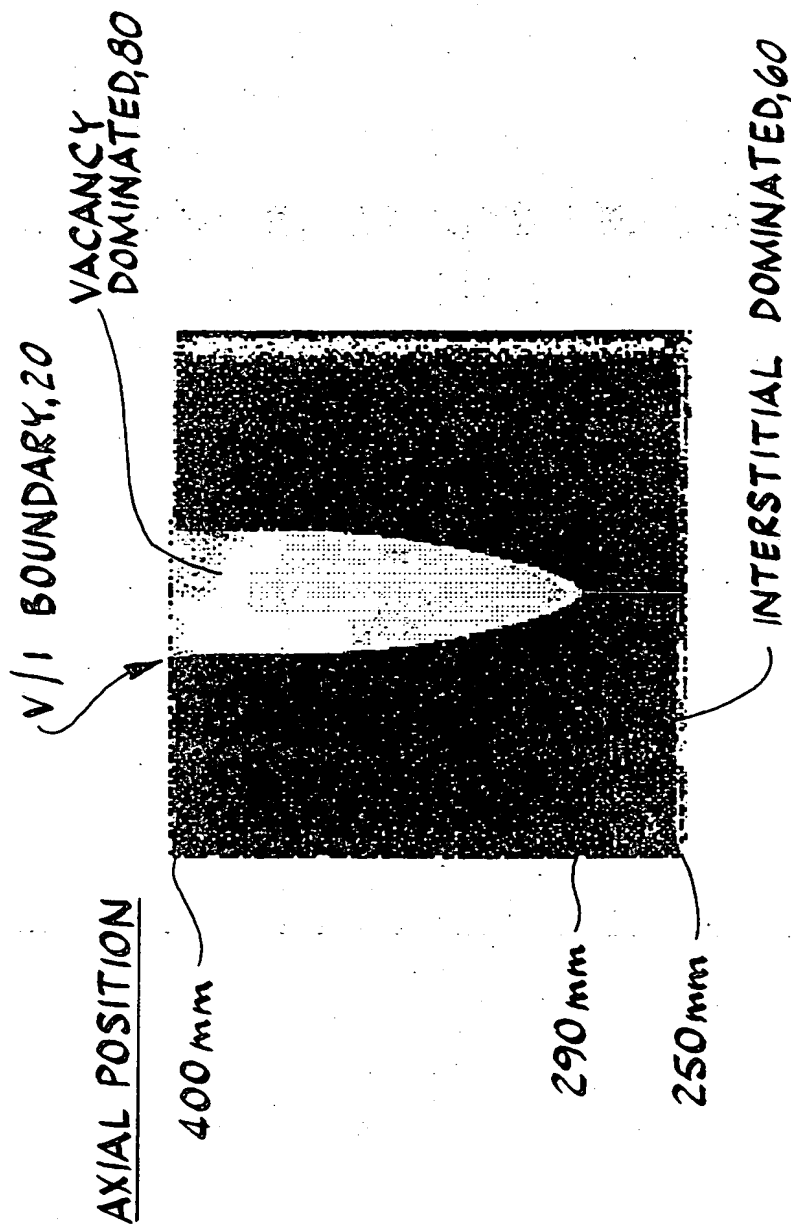
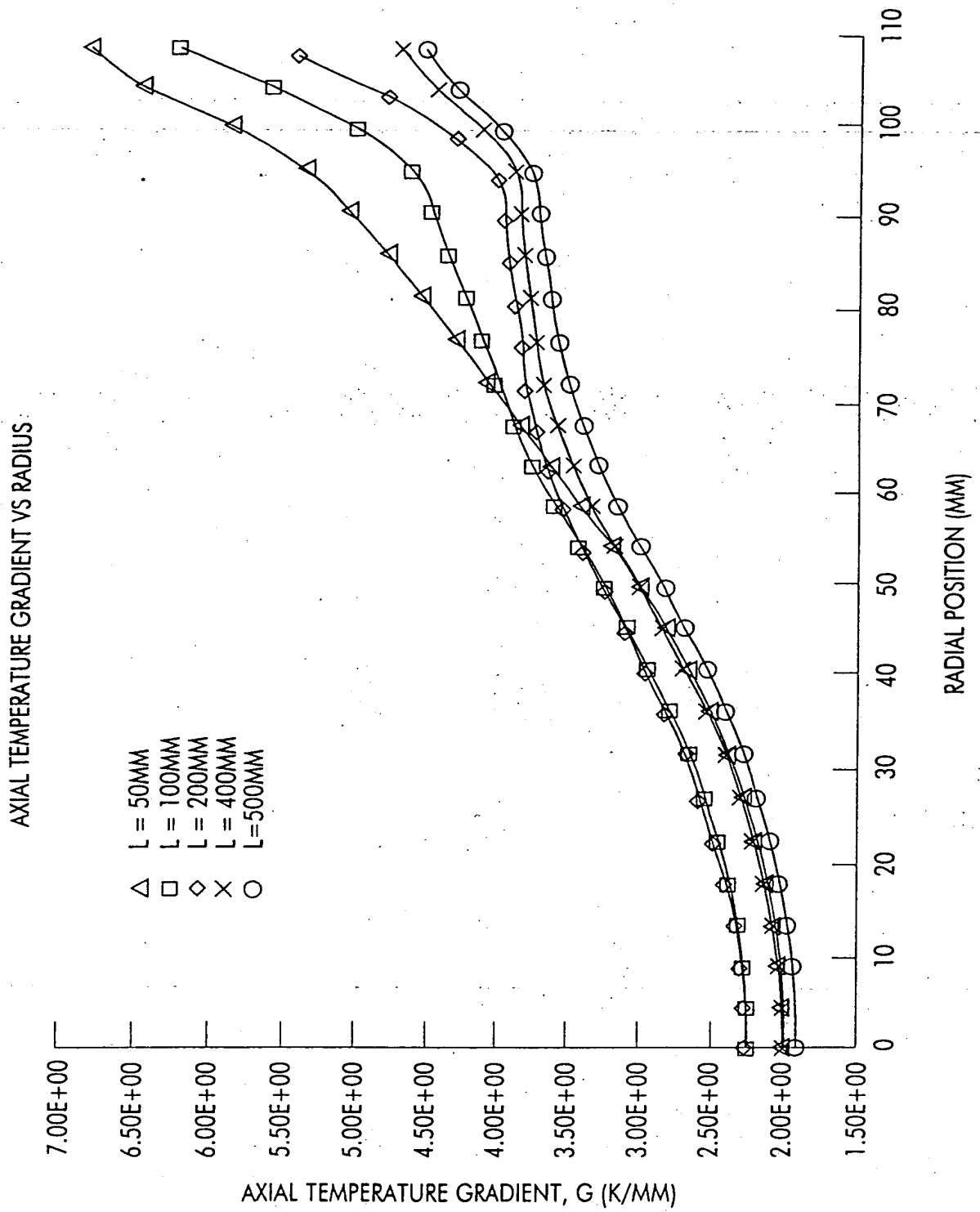


FIG.27



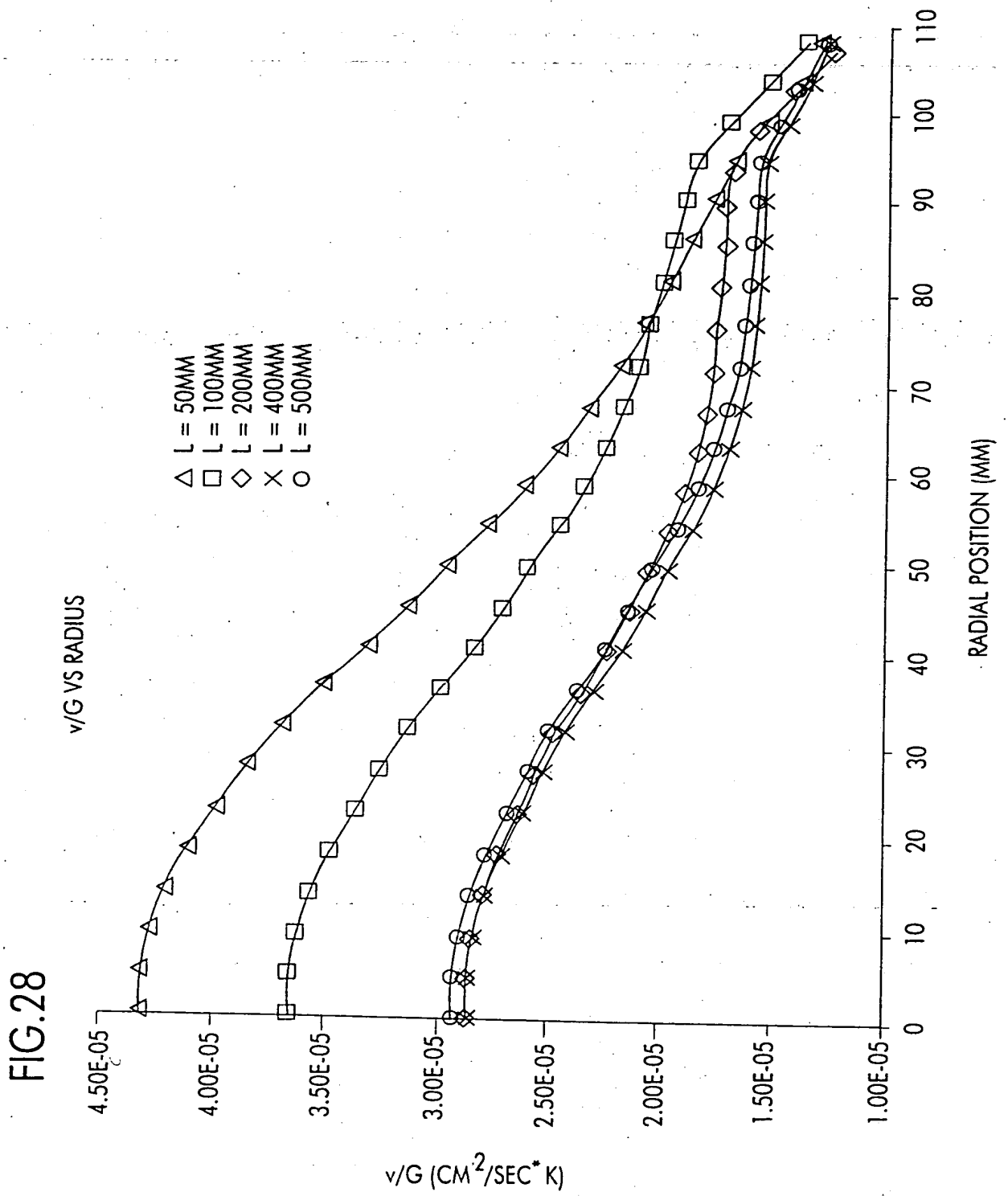


FIG.29

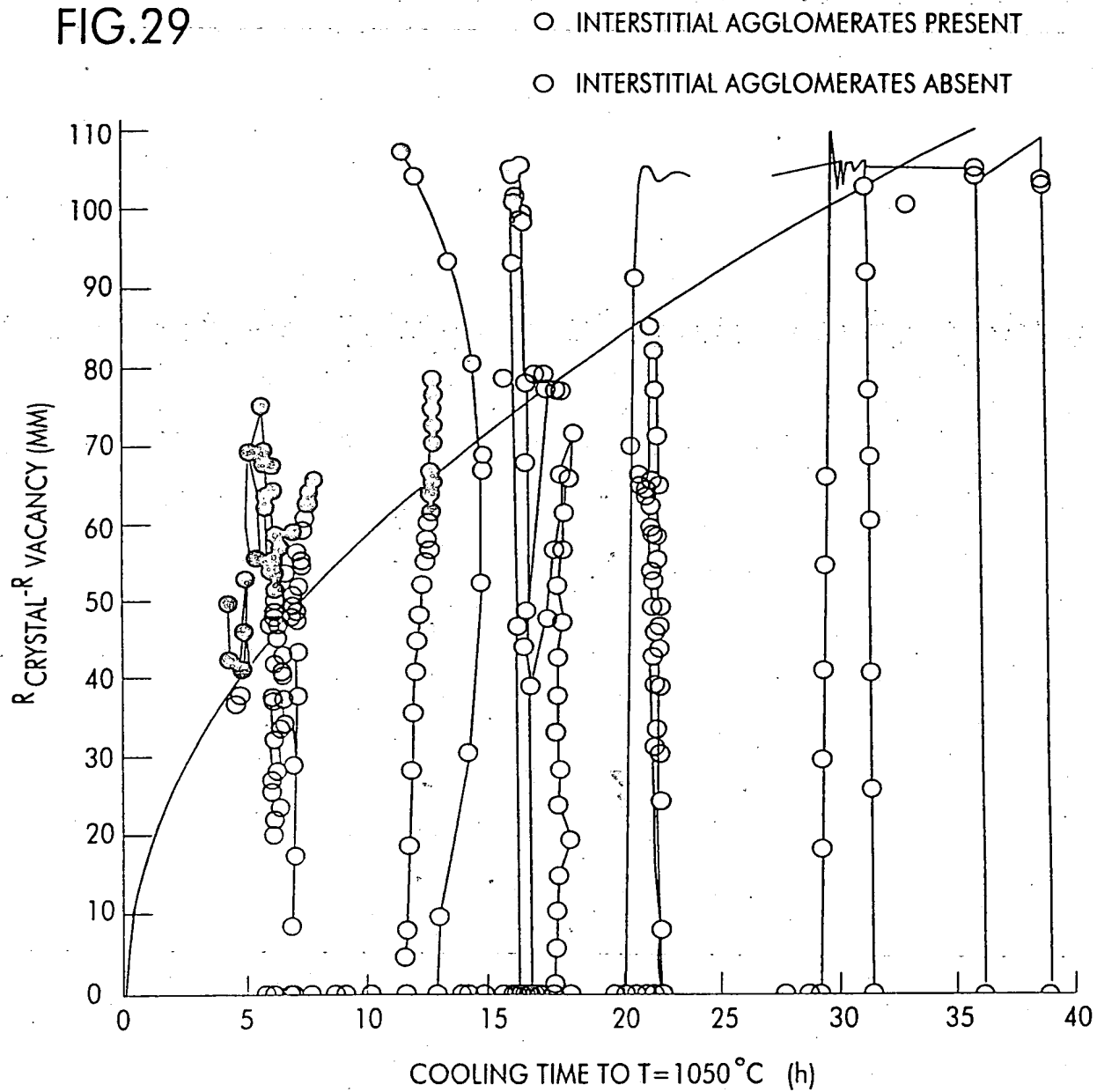


FIG.30

AXIAL
POSITION

235 mm

255 mm

350 mm

V/I BOUNDARY, 20

VACANCY
DOMINATED, 80

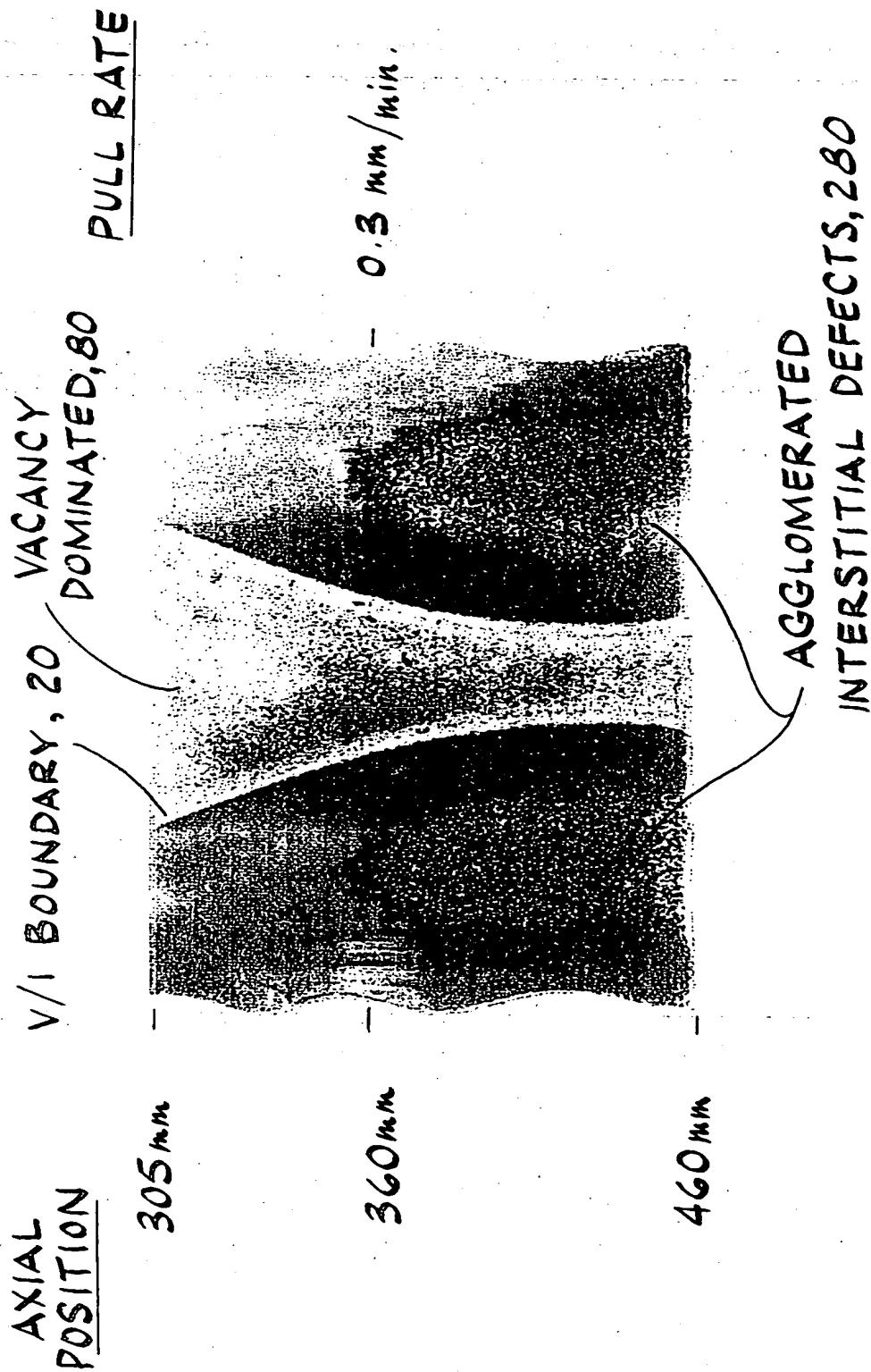
PULL RATE

- 0.4 mm/min.



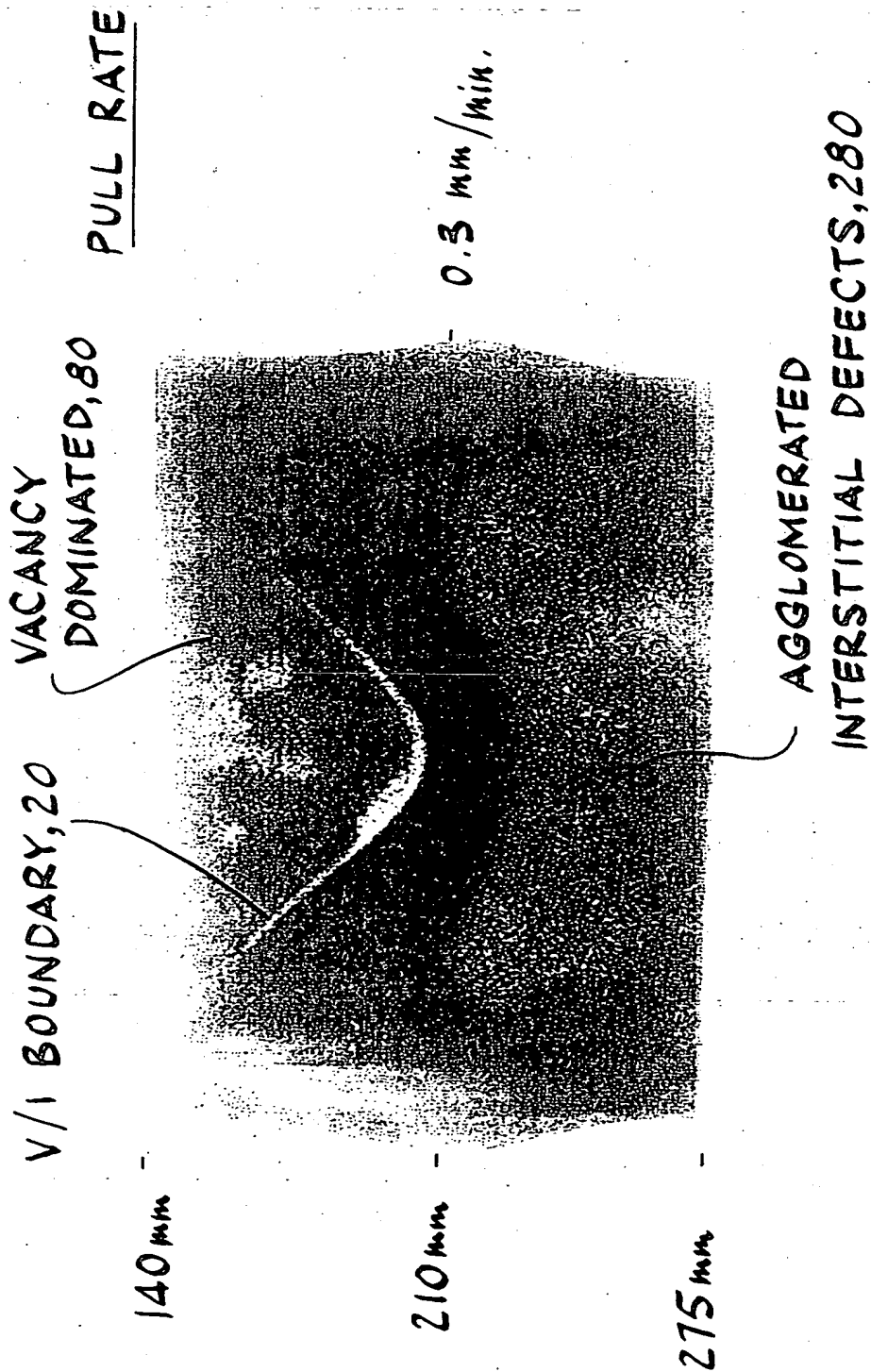
AGGLOMERATED
INTERSTITIAL DEFECTS, 280

FIG.31



20E010"4808E00T

FIG.32



20E010" H808E00T

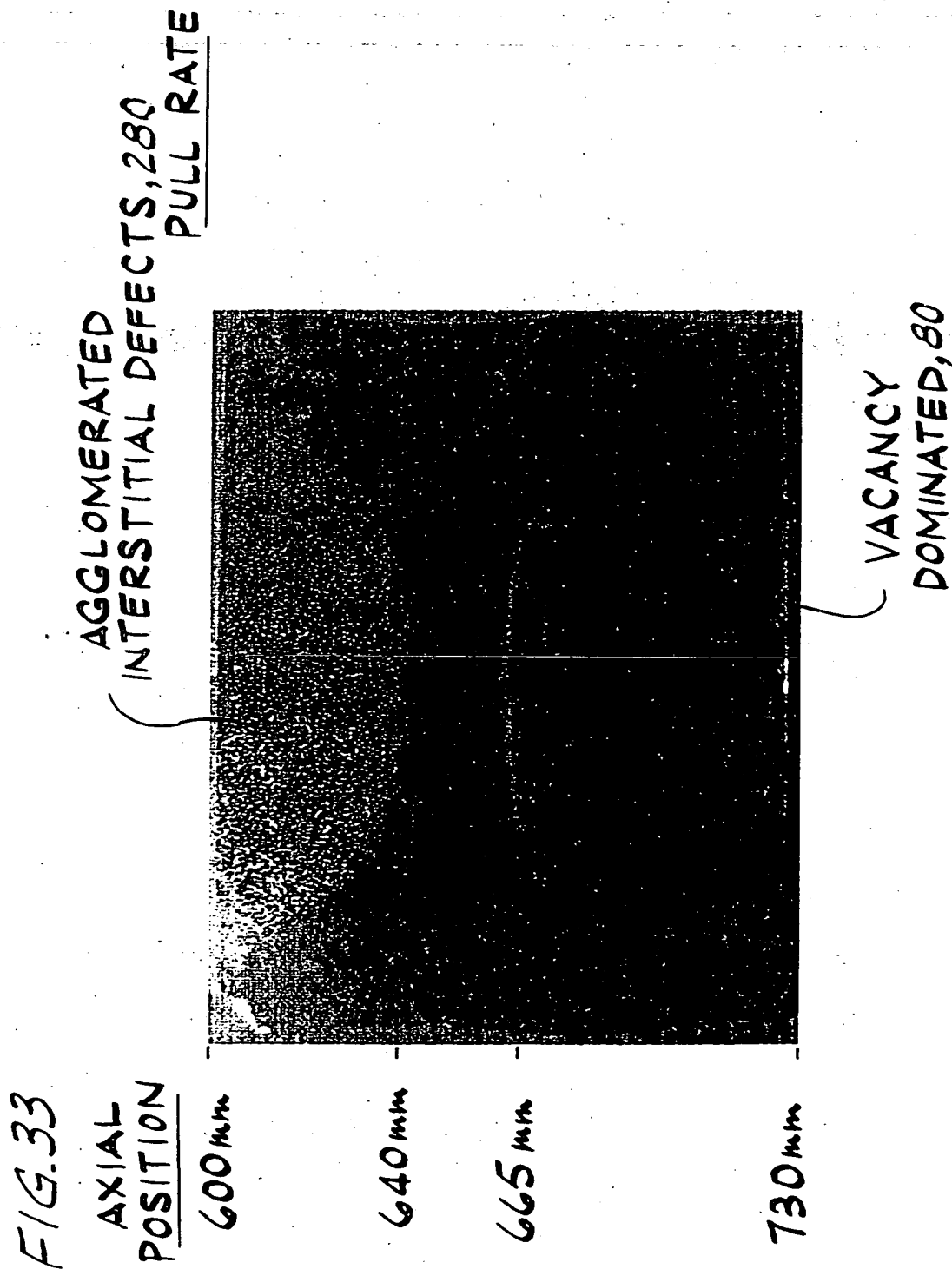
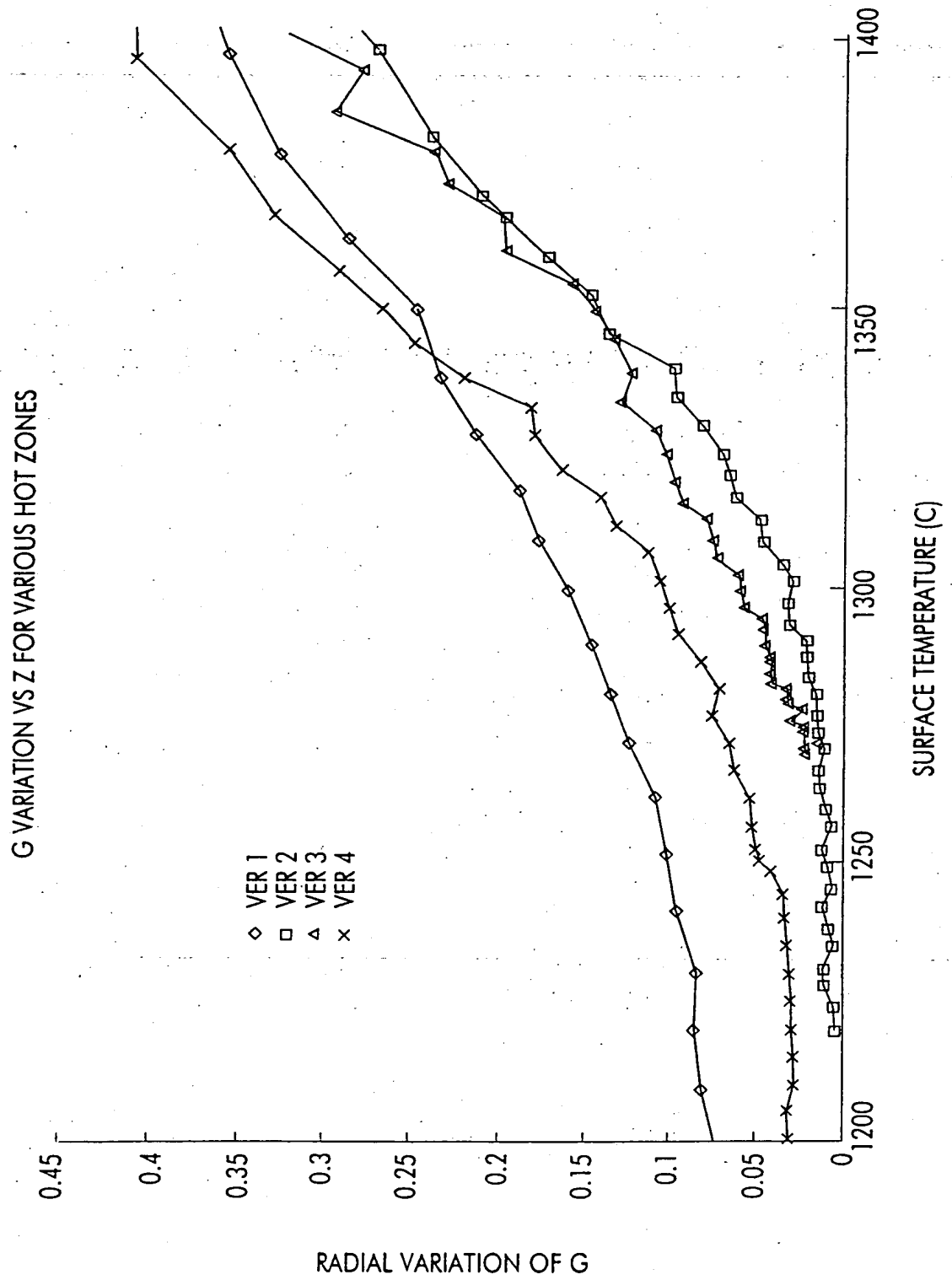


FIG.34



205070-1-1000000

FIG.35

TEMPERATURE PROFILES FOR VARIOUS HOT ZONES

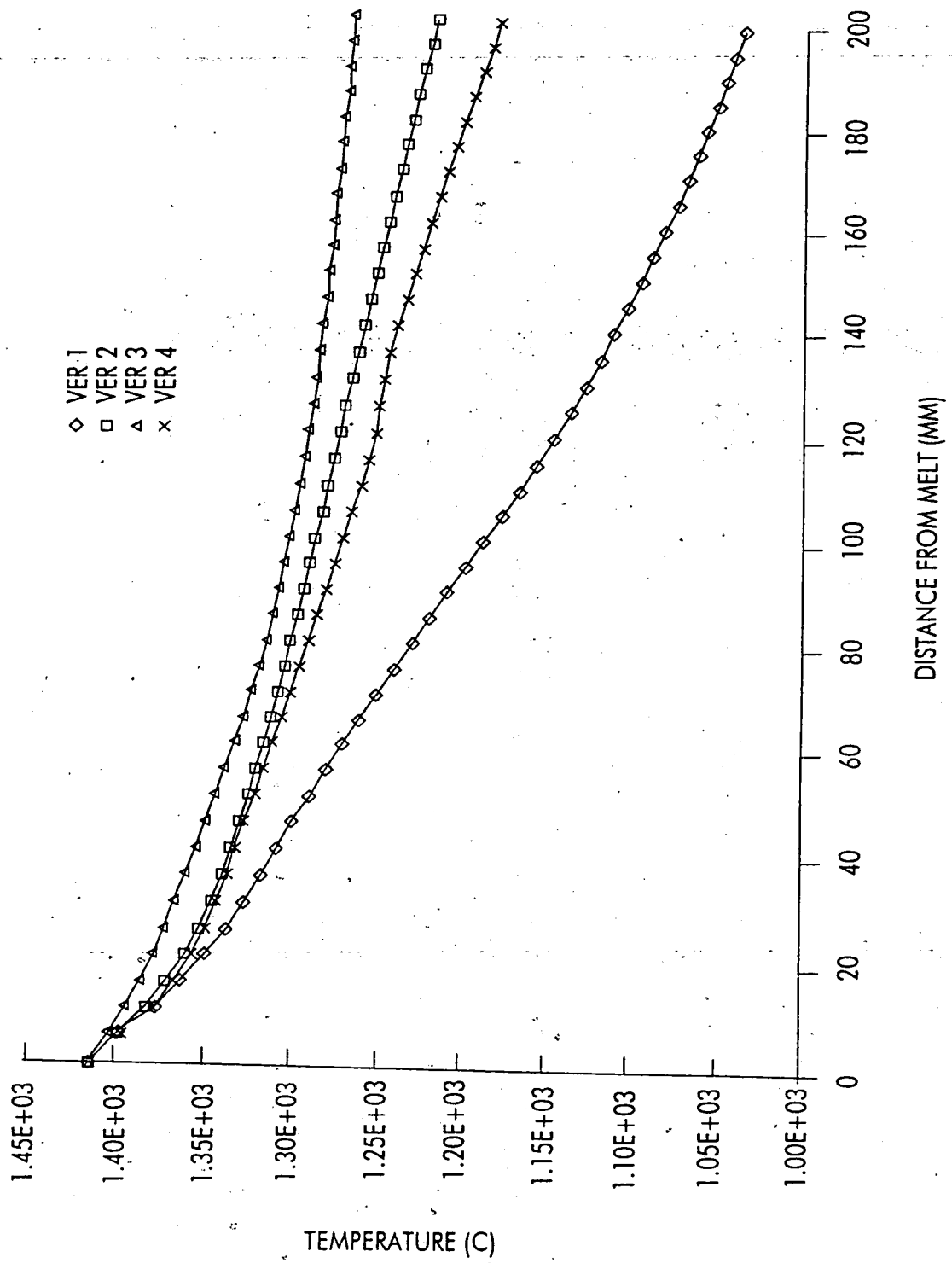


FIG. 36

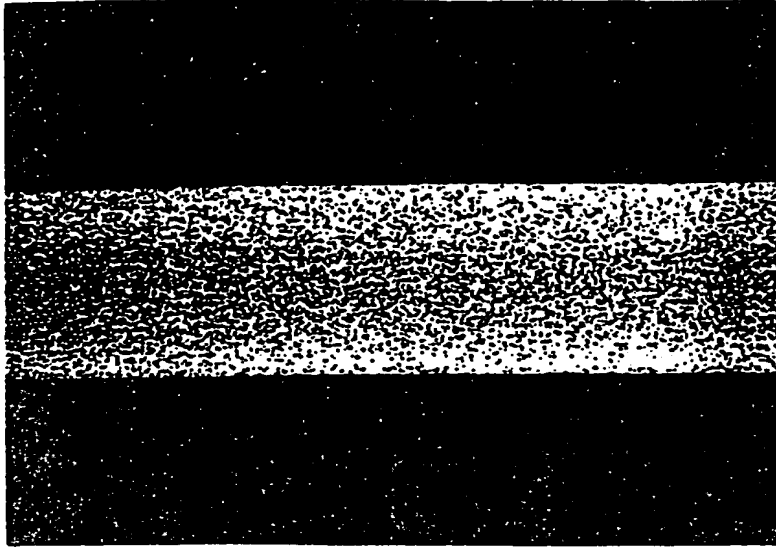
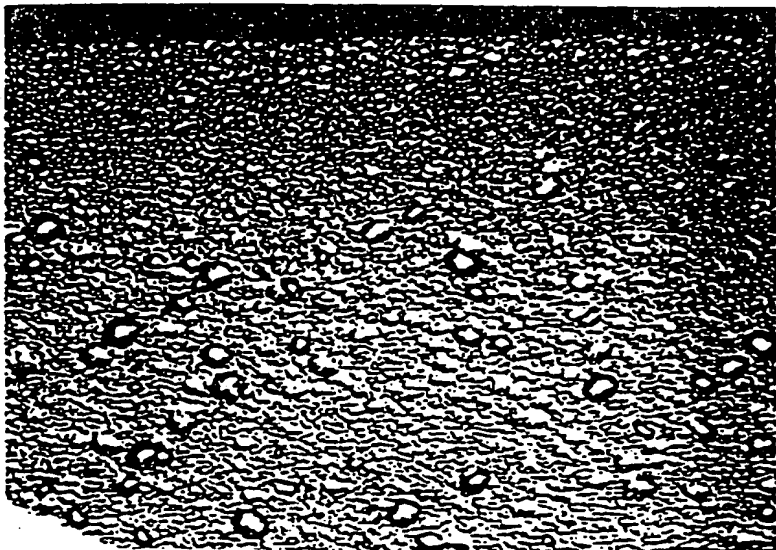


FIG. 37



205070-4808E001

FIG. 38

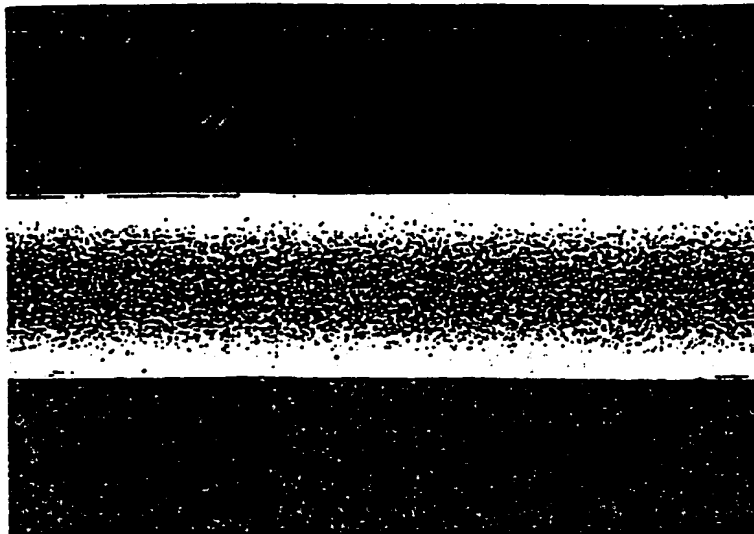


FIG. 39

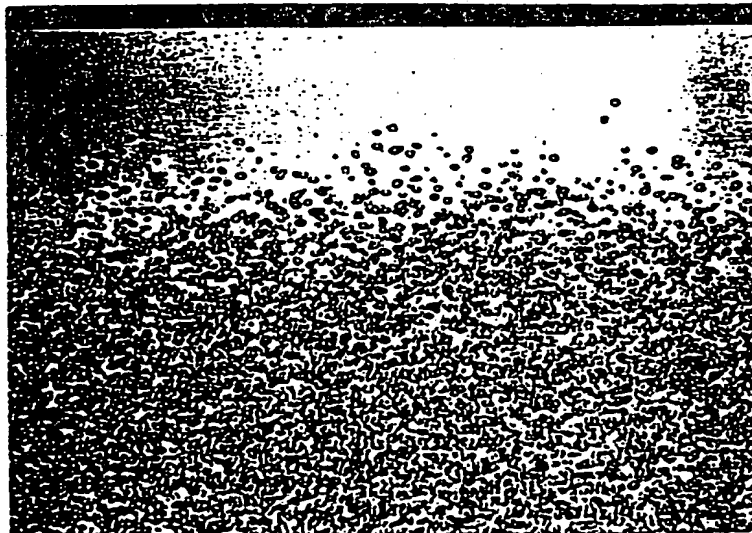


FIG. 40

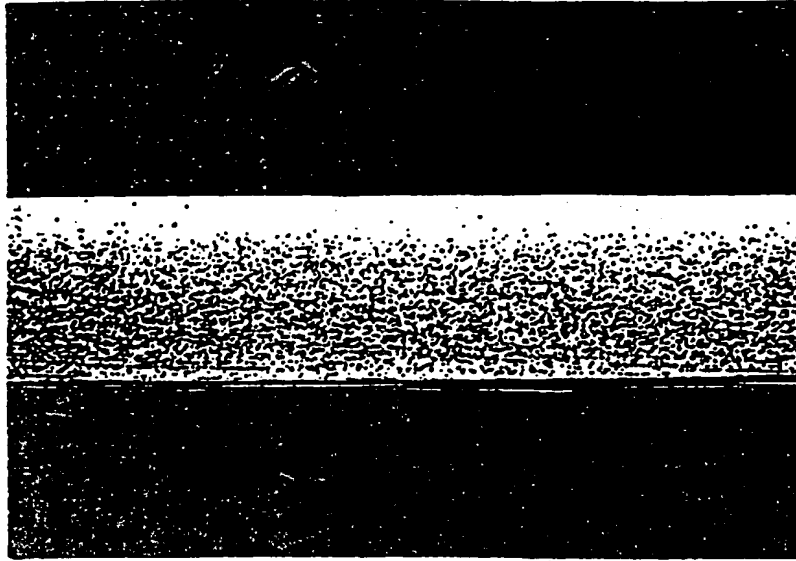


FIG. 41

